

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 87-102
NPDES NO. CA0029092

AMENDING WASTE DISCHARGE REQUIREMENTS FOR:

HEWLETT-PACKARD COMPANY
974 E. ARQUES AVENUE FACILITY
SUNNYVALE, SANTA CLARA COUNTY

The California Regional Water quality Control Board, San Francisco Bay Region (hereafter called the Board), finds that:

1. Hewlett-Packard Company (hereinafter called the discharger) manufacturers computer products at a facility located at 974 E. Arques Avenue, Sunnyvale. The discharger submitted a completed application dated February 28, 1987 for amendment of its present NPDES Permit.
2. Existing discharges from the site are presently regulated by Waste Discharge Requirements (Order No. 86-84; NPDES CA 0029092).
3. The discharge proposes to extract an average of 7,200 gallons per day of groundwater as part of its efforts to contain and cleanup onsite groundwater contamination. The extracted groundwater (hereinafter referred to as Waste 003) will be treated by a diffused air stripping system and discharged to the storm drain system along Arques Avenue, tributary to Calabazas Creek and South San Francisco Bay.
4. Effluent limitations of this Order are based on the Basin Plan, State plans and policies, this Board's "Discharge of Polluted Groundwater to Surface Waters: Guidance Document, September 1985," and best engineering judgment.
5. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
6. The Board has notified the discharger and interested agencies and persons of its intent to issue waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

1. Order No. 86-64 is hereby amended follows:

- a. Effluent Limitation A.4. is added to read:
"The discharge of Waste 003, shall not contain constituents in excess of the following:

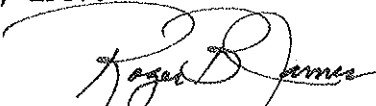
<u>Constituent</u>	<u>Units</u>	Instantaneous
		<u>Maximum</u>
Total concentration of all volatile organic compounds*	mg/l	0.100

- * Defined as the following volatile organic compounds and associated isomers: benzene, toluene, ethylbenzene trichloroethane, dichloroethane, trichloroethylene, dichloroethylene, tetrachloroethylene, styrene, xylene and freon 113."

- b. Provision C.4. is amended to read
"The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions" dated December 1986, except items A.10, B.2, C.8, and C.11."

2. This Order shall serve as an amendment to a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of this adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Roger B. James, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on August 19, 1987.


ROGER B. JAMES
Executive Officer

Attachments:

Standard Provisions & Reporting
Requirements, December 1986
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

HEWLETT-PACKARD COMPANY

SUNNYVALE

SANTA CLARA COUNTY

NPDES NO. CA0029092

ORDER NO. 87-102

CONSISTS OF

PART A Dec. 1986 as modified SBTD
JANUARY 1987 (w/appendices A-E)

PART B, amended on August 19, 1987

PART B

HEWLETT-PACKARD COMPANY

974 E. ARQUES AVENUE FACILITY
SUNNYVALE, SANTA CLARA COUNTY

The self-monitoring program as adopted by the Board on November 19, 1987 is hereby amended to include the additional sampling stations and schedule of analyses as shown below.

I. DESCRIPTION OF SAMPLING STATIONS

1. Description of sampling Stations

a. INFLUENT
Station

Description

I-00

At a point in the groundwater extraction/treatment system immediately prior to any treatment

b. EFFLUENT
Station

Description

E- 003

At a point in the groundwater extraction/treatment system immediately following treatment at a point before discharging into the storm drain

c. RECEIVING WATERS
Station

Description

C- 001

At a point in storm drain prior to groundwater discharge into Calabazas Creek down stream from station E-001, E-002, and E-003.

II. MISCELLANEOUS REPORTING

At least 30 days before any chemicals are utilized in or added to the treatment system, they shall be reported to the Executive Officer for review and approval.

III. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be amended to include that given as Table I (attached).

IV. MODIFICATIONS TO PART A

All items of Self Monitoring Program Part A, dated December 1986 and as modified January 1987 shall be complied with except for the following modifications:

A. Delete Sections D.2.e, D.2.g, E.3, and E.4.

B. Section G.4.b shall be changed to read as follows:

Compliance Evaluation Summary

"Each report shall be accompanied by a compliance evaluation summary sheet prepared by the discharger. The report format will be prepared similar to the example shown in APPENDIX A (attached). The discharger will prepare the format substituting for the example parameters those parameters and requirement limits for influent, effluent and receiving water constituents specified in the permit."

C. The first paragraph of Section G.4.d shall be changed to read as follows:

Results of Analyses and Observations

"Each report shall include tabulations of the results from each required analysis specified in Part B by date, time, type of sample, detection limit, station, and shall be signed by the laboratory director. The report format will be prepared similar to the examples shown in APPENDIX B, substituting those parameters specified in the permit for the parameters given in the example."

D. Information requested under Section G.4.e. shall be prepared in a format similar to EPA form 3320-1 and shall be submitted only to the Regional Board.

E. Section G.5 shall be modified to read as follows:

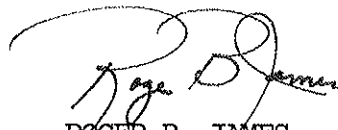
Annual Reporting

"By January 30 of each year, the discharger shall submit in place of the end of the year monthly report, an annual report to the Regional Board covering the previous calendar year. The report shall contain both

tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the report shall contain a comprehensive discussion of the compliance record and the corrective actions taken or planned which may be needed to bring the dischargers into full compliance with the waste discharge requirements. The report format will be prepared by the discharges using the examples shown in APPENDIX D (attached) substituting those parameters specified in the permit for the parameters given in the example and should be maintained and submitted with each regular self-monitoring report."

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.
2. Was adopted by the Board on August 19, 1987.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.



ROGER B. JAMES
Executive Officer

Attachment: Table I

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	I-003		E-003		C-003									
TYPE OF SAMPLE	G		G		G									
Flow Rate (mgd)	D		D		D									
BOD, 5-day, 20° C, or COD (mg/l & kg/day)														
Chlorine Residual & Dosage (mg/l & kg/day)														
Settleable Matter (ml/1-hr. & cu. ft./day)														
Total Suspended Matter (mg/l & kg/day)			Q											
Oil & Grease (mg/l & kg/day)														
Coliform (Total or Fecal) (MPN/100 ml) per req't														
Fish Toxicity, 96-hr. TL ₅₀ % Survival in undiluted waste			Y											
Ammonia Nitrogen (mg/l & kg/day)														
Nitrate Nitrogen (mg/l & kg/day)														
Nitrite Nitrogen (mg/l & kg/day)														
Total Organic Nitrogen (mg/l & kg/day)														
Total Phosphate (mg/l & kg/day)														
Turbidity (Jackson Turbidity Units)														
pH (units)			M		Q									
Dissolved Oxygen (mg/l and % Saturation)			Q		Q									
Temperature (°C)			Q											
Apparent Color (color units)														
Secchi Disc (inches)														
Sulfides (if DO ≤ 5.0 mg/l) Total & Dissolved (mg/l)														
Arsenic (mg/l & kg/day)														
Cadmium (mg/l & kg/day)														
Chromium, Total (mg/l & kg/day)														
Copper (mg/l & kg/day)														
Cyanide (mg/l & kg/day)														
Silver (mg/l & kg/day)														
Lead (mg/l & kg/day)														

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	A-003 E-003 C-003											
TYPE OF SAMPLE	G		G		G							
Mercury (mg/l & kg/day)												
Nickel (mg/l & kg/day)												
Zinc (mg/l & kg/day)												
PHENOLIC COMPOUNDS (mg/l & kg/day)												
All Applicable Standard Observations												
Bottom Sediment Analyses and Observations												
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)												
Trichloroethene	Q		M/Q		Q							
Trichloroethane	Q		M/Q		Q							
Trichlorotrifluoroethane	Q		M/Q		Q							
Trans-1,2-Dichloroethene	Q		M/Q		Q							
Total Volatile Organic Compounds (EPA Method 601)			M		Q							

M/Q = Monthly for 3 months, quarterly thereafter

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
 C-24 = composite sample - 24-hour
 C-X = composite sample - X hours
 (used when discharge does not
 continue for 24-hour period)
 Cont = continuous sampling
 DI = depth-integrated sample
 BS = bottom sediment sample
 O = observation

TYPES OF STATIONS

I = intake and/or water supply stations
 A = treatment facility influent stations
 E = waste effluent stations
 C = receiving water stations
 P = treatment facilities perimeter stations
 L = basin and/or pond levee stations
 B = bottom sediment stations
 G = groundwater stations

FREQUENCY OF SAMPLING

E = each occurrence
 H = once each hour
 D = once each day
 W = once each week
 M = once each month
 Y = once each year

2/H = twice per hour
 2/W = 2 days per week
 5/W = 5 days per week
 2/M = 2 days per month
 2/Y = once in March and
 once in September
 Q = quarterly, once in
 March, June, Sept.
 and December

2H = every 2 hours
 2D = every 2 days
 2W = every 2 weeks
 3M = every 3 months
 Cont = continuous